

What is claimed is:

5           1. An improved bale wagon comprising a movable rack of tines, the improvement consisting essentially of the tines being pivotally adjustable at a tine tilt angle measured relative to the bale wagons load bed.

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2. The bale wagon of claim 1 wherein the tines may be adjusted to rest at any of several positions, which positions reduce the tine tilt angle by increments of about  $1.5^\circ$  to about  $2^\circ$ .

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3. The bale wagon of claim 1 wherein the adjustable tines dictate variable angles at which stacks of bales are unloaded.

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4. The bale wagon of claim 1 wherein the rack of tines comprises a crossbar and brackets to receive the tines in pivotal engagement to the crossbar.

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5. The bale wagon of claim 4 wherein the brackets include multiple positions of tilt for each tine, allowing adjustment at between tilt angles of about  $90^\circ$  and 30 about  $84^\circ$ .

6. The bale wagon of claim 4 wherein the tilt angles are selected from the group consisting of  $89.5^{\circ}$ ,  $87.5^{\circ}$ ,  $86^{\circ}$ , and  $84.5^{\circ}$ .

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7. The bale wagon of claim 5 further comprising a bolt, and holes in each bracket to allow controlling the tilt angle by moving the bolt from one hole to another.

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8. A method for unloading tiers of stacked bales from a loaded bale wagon, said method comprising, unloading a first load of bales to lean at an angle corresponding to a first tilt angle less than  $90^{\circ}$ , and  
15 then, against said, first tilt angle, unloading a second load bales from the same wagon at a different tilt angle derived from pivotally adjusting tines on said bale wagon.